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1. Document ID: US
- 5755900
- A Relevance Rank: 99

L3: Entry 2 of 2

File: USPT

May 26, 1998

US-PAT-NO: 5755900DOCUMENT-IDENTIFIER: US 5755900 A

TITLE: Method of making multilayer insulation product

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------------|-------------|-------|----------|---------|
| Weir; Charles Russell | Westerville | OH | N/A | N/A |
| Stickle; Scott | Nashport | OH | N/A | N/A |

US-CL-CURRENT: 156/62.2; 156/244.27, 156/309.6, 156/309.9

ABSTRACT:

A method of making a multilayered insulation product includes applying a retention layer to a first fibrous insulation layer, where the retention layer is porous to enable liquids to pass therethrough, applying a hardenable liquid to the retention layer, where some of the liquid passes through the retention layer and contacts the first insulation layer, and hardening the liquid to bond the retention layer to the first insulation layer. A second fibrous insulation layer can be applied to the retention layer after the liquid is applied to the retention layer, in which case the hardening of the liquid bonds the retention layer to the second insulation layer.

13 Claims, 6 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 4

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
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2. Document ID: US 5871830 A Relevance Rank: 93

L3: Entry 1 of 2

File: USPT

Feb 16, 1999

US-PAT-NO: 5871830

DOCUMENT-IDENTIFIER: US 5871830 A

TITLE: Needled encapsulated fibrous product

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|--------|-------|----------|---------|
| Miller; William S. | Newark | OH | N/A | N/A |

US-CL-CURRENT: 428/70; 156/148, 156/204, 156/213, 156/216, 156/269, 156/72,
428/192, 428/193, 428/194, 428/58, 428/68, 428/77

ABSTRACT:

A fibrous product is produced by providing a collection of fibrous material, and encapsulating the fibrous material by covering the fibrous material with a film to form an encapsulated blanket of the fibrous material. The encapsulated blanket is then needled to cause entanglement of the fibrous material, thereby producing a needled, encapsulated fibrous product.

20 Claims, 7 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|------|-----------|-------|
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50

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